

1900 SERIES WATER METERS

ISTEC

Flow Measurement & Control



ISTEC's 1900 Series Woltmann Design Water Meter in 2" through 8" Sizes



Istec's 1900 Series Water Meters

Istec's 1900 Series Water Meters are ideal for use in conditions that are less than perfect. The unique design allows the meter to function properly in applications where the water contains up to 30% suspended particles. This makes the meter ideal for agriculture, wastewater treatment plants, or remediation applications where an especially heavy duty meter is required to work reliably under difficult conditions. Istec's 1900 Series Water Meters achieve this by having the measuring insert located in the upper portion of the meter where, in flowing water, only small amounts of suspended particles are found. We recommend an additional external filter be mounted in front of the meter for very heavily contaminated water.

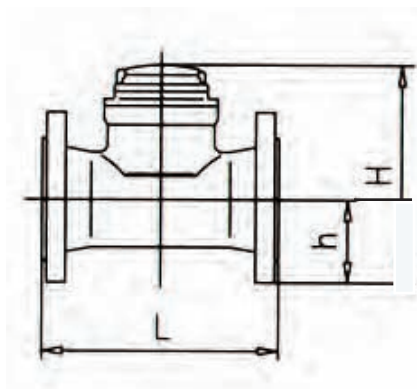
The factory tested measuring insert is the same for all meter sizes with the following measuring accuracies:
Q_{max}-Q_t: ± 3% (Value Class A+B)
Q_t-Q_{min}: ± 5% (Value Class A).

The roller counter is fully encapsulated and protected from dirt and moisture. The meter comes with a lockable metal cap which protects the counter under dirty conditions. The 1900 Series Water Meter can be ordered with or without a pulser but can also be retrofitted in the field. The meter can be mounted either horizontally or vertically.



Model Number	1947	1950	1955	1960	1965	1970	1975
Pipe Size	2"	2-1/2"	3"	4"	5"	6"	8"
Minimum Flow Rate (GPM)	10.5	21	21	52	52	88	140
Continuous Flow Rate (GPM)	132	220	400	550	770	1100	2000
Maximum Flow Rate (GPM)	308	525	660	1300	1540	2200	4000
Maximum Operation Temperature (F)	125	125	125	125	125	125	125
Maximum Operation Pressure (PSI)	230	230	230	230	230	230	230
Mounting Flanges	ANSI 150	ANSI 150	ANSI 150	ANSI 150	ANSI 150	ANSI 150	ANSI 150
Mounting Position	Any	Any	Any	Any	Any	Any	Any
Model w Pulse (gal/pulse)	1948 (10)	1952 (10)	1957 (10)	1962 (10)	1968 (100)	1972 (100)	1977 (100)
Weight (pounds)	24	29	34	42	53	66	106

Dimensional Data



Dimensions	1947	1950	1955	1960	1965	1970	1975
Pipe Size	2"	2-1/2"	3"	4"	5"	6"	8"
h	2-5/16"	3-3/8"	3-3/4"	4-1/8"	4-3/4"	5-5/16"	7-1/8"
H	6-1/8"	6-1/8"	6-1/8"	6-1/8"	6-5/8"	6-5/8"	7-1/8"
L	7-7/8"	7-7/8"	8-7/8"	9-7/8"	9-7/8"	11-7/8"	13-3/4"